

10/23/18

Be able to divide rational numbers.

Integer rules still work.

$$\begin{array}{l} + \\ + \end{array} = + \quad \begin{array}{l} - \\ - \end{array} = + \quad \begin{array}{l} + \\ - \end{array} = -$$

Fraction Rules still work.

Multiply by the reciprocal.

Keep, Change, Flip

$$-\frac{2}{5} \div \frac{7}{10} = \boxed{-\frac{4}{7}}$$

$$-\frac{2}{5} \cdot \frac{10}{7} = \frac{4}{7}$$

$$-6\frac{1}{2} \div \left(-\frac{1}{2}\right) = \boxed{+13}$$

$$\frac{13}{2} \div \frac{1}{2}$$

$$\frac{13}{2} \cdot \frac{2}{1} = \frac{13}{1} = 13$$

Decimal rules still work.

$$11.05 \div (-2.6) = \boxed{-4.25}$$

$$2.6 \overline{) 11.05}$$

$\overset{1}{26} \times 2 = 52$ $\overset{1}{26} \times 3 = 78$ $\overset{2}{26} \times 4 = 104$ $\overset{3}{26} \times 5 = 130$

$$\begin{array}{r} 4.25 \\ 26 \overline{) 110.50} \\ \underline{-104} \\ 65 \\ \underline{-52} \\ 130 \\ \underline{-130} \\ 0 \end{array}$$

$$-1.25 \div (-0.1) = \boxed{+12.5}$$

$$1 \overline{) 1.25}$$

$$\begin{array}{r} 12.5 \\ 1 \overline{) 12.5} \end{array}$$